



ERNEST ORLANDO LAWRENCE  
BERKELEY NATIONAL LABORATORY

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**Environment, Health, & Safety  
Training Program**

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**EHS 434 ~ RWP Contamination Control**

**Course Syllabus**

**Subject Category:** Radiation Protection  
**Course Length:** 2.5 hour  
**Delivery Mode:** class  
**Schedule:** As Needed  
**Location/Time:** At location

**Course Prerequisite:** EHS 400 & EHS 405  
**Medical Approval:** No

**Course Purpose:** To provide training commensurate with RWP job assignments that require work with radioactive contaminated items, equipment and areas site wide. This course is designed to teach employees the proper safe work practices and requirements to work in a contaminated area and with contaminated items or equipment. This course is a mandatory RWP pre-requisite to working in a contaminated area or with contaminated items and equipment.

**Course Objectives:** EHS 434 covers the following topics:

- Basic radiological fundamentals and radiation protection concepts.
- Describes the difference between fixed, removable, and airborne contamination.
- Defines Contamination Area, High Contamination Area, and Airborne Contamination Area.
- Describes sources of radioactive contamination.
- Describes various controls used to minimize and control radioactive contamination.
- Describes the proper actions to take in an emergency.
- Describes the proper techniques for donning and doffing protective clothing.
- Describes the requirements for entering, working in and exiting a contaminated area.
- Demonstrates the proper use of personal contamination monitors.
- Describes the methods used to perform personnel decontamination.

**Course Instructional Materials:**

- Overhead Project
- Survey Instrumentation
- Radiation Safety Postings and Signs
- Power Point Presentation
- Class Handout

**Instructor:** Michael Dupray

**Training Compliance Requirements:** This course is designed to meet, in part, the requirements of 10 CFR 835 section 901 (b), which states that each individual shall demonstrate knowledge of radiation safety topics.

1. Before being permitted unescorted access to radiological areas, and
2. before performing unescorted assignments as radiological worker

**Course Handouts:**

- Student Handbook
- A copy of the Power Point Presentation

**Participant Evaluation:** Written evaluations regarding the effectiveness of the trainer, the training, and the visual aids.

**Written Exam:** A written exam must be completed with a minimum score of 80%.

**Practical Exam:** Proper donning and doffing of personal protective equipment (PPE) must be demonstrated.

**Retraining/Recertification:** None

**WEB Resource:** See <http://www.lbl.gov/ehs/html/training.htm>.

Revised 4/15/2002